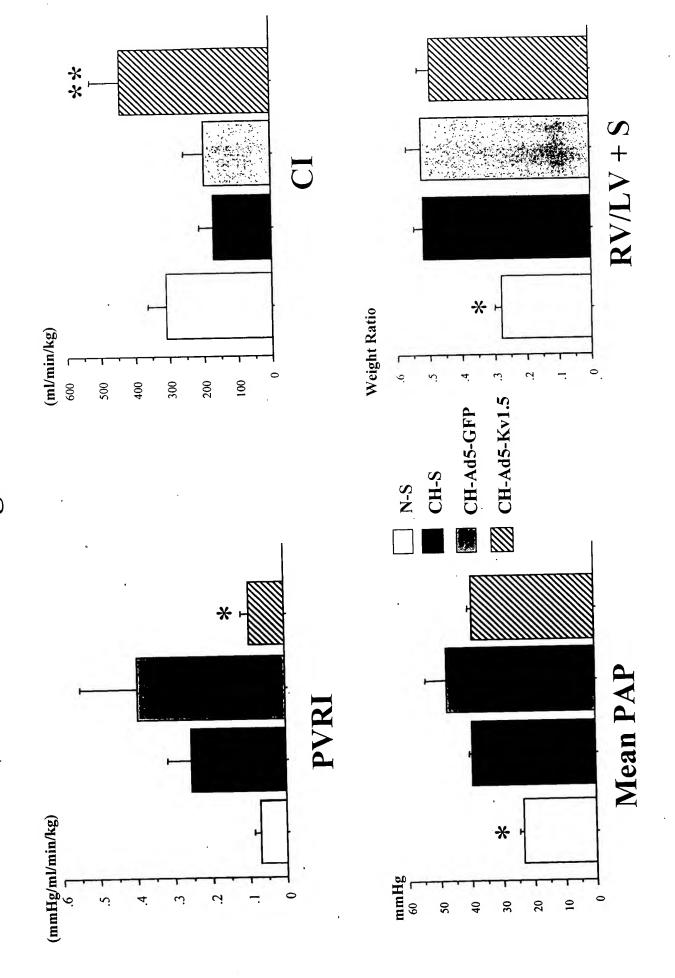
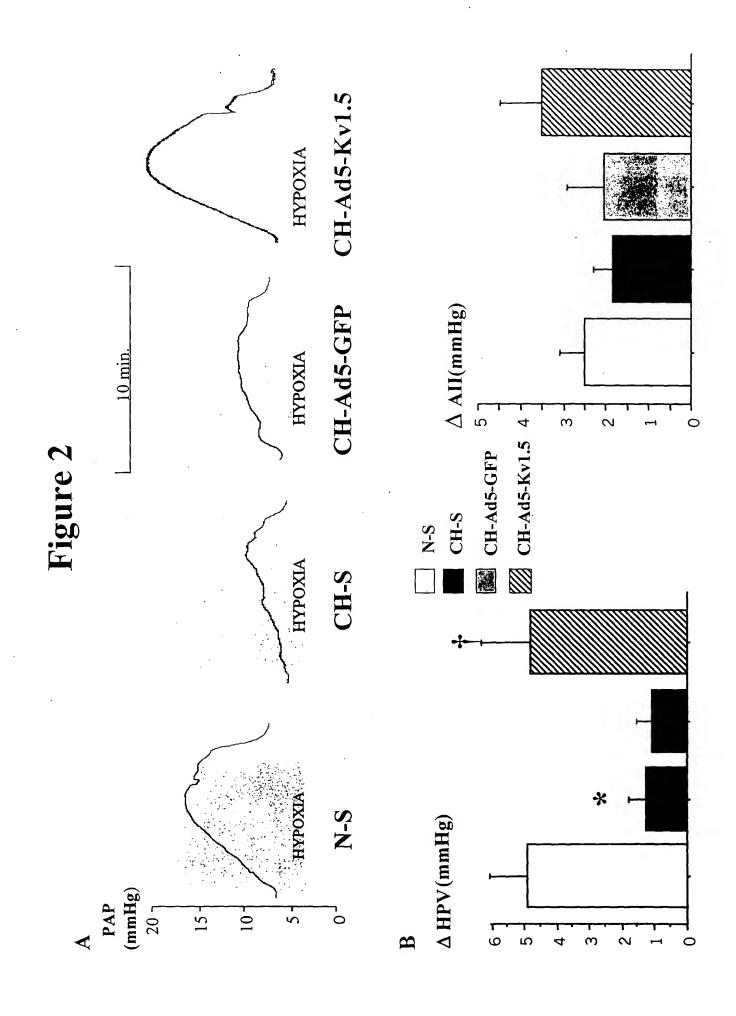
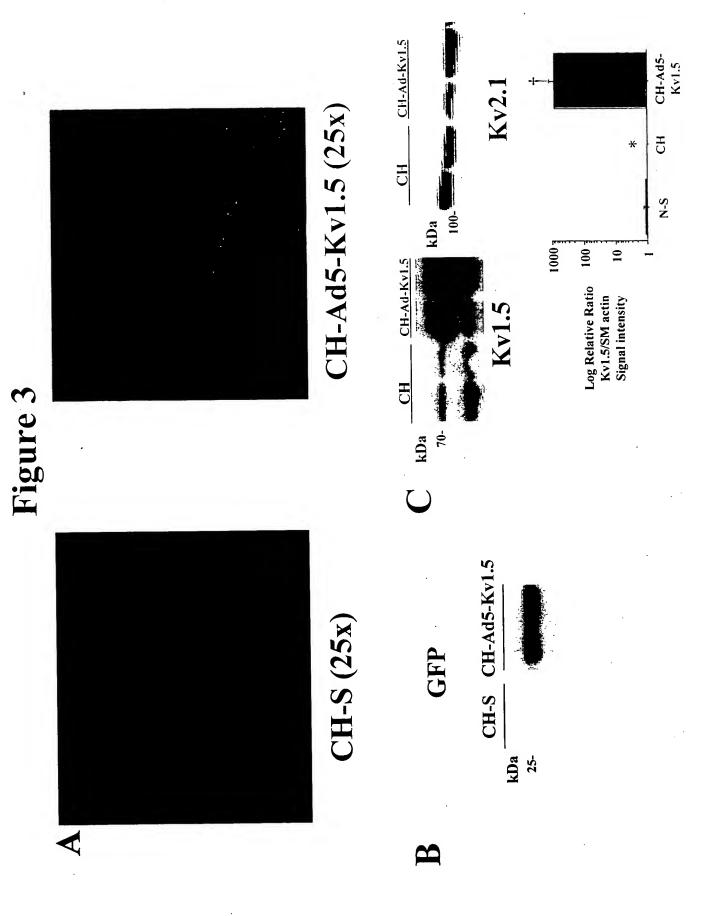
Figure 1







S-Z CH-S CH-Ad5-Kv1.5 CH-Ad5-Kv1.5 4000 □ - 005 3500 3000 1500 1000 2500 2000 2 ∆∆Ct Relative copies Human Kv1.5 Figure 4 CH-S PA N-S PA  $\mathbf{CH-S}$  (20x) Kir2.1 Kv1.5 <del>-</del>08 40-2 Ct endogenous rat K+ channels

CH-Ad5-Kv1.5 CH-Ad5-GFP Figure 5 I (pA/pF) 500 \( \) 400 200-300-**→** CH-Ad5-Kv1.5 → CH-Ad5-GFP CH-S \*\* p < 0.01 S-H⊃ → S-N -O-Ans. S-Z

70 V (mV)

20

30

-20

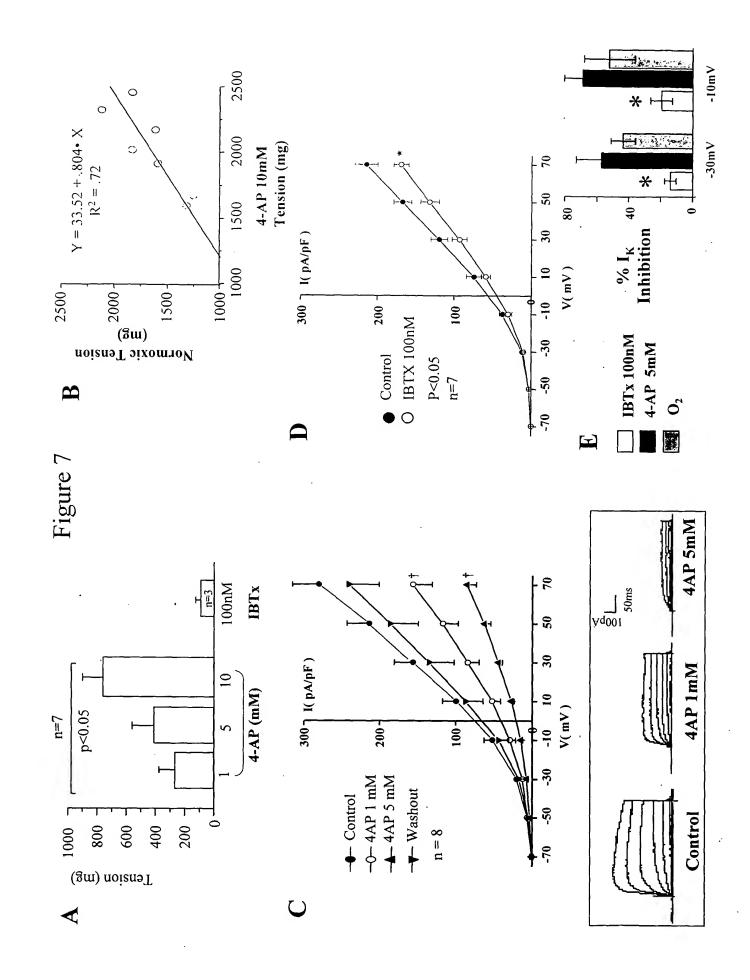
n = 10

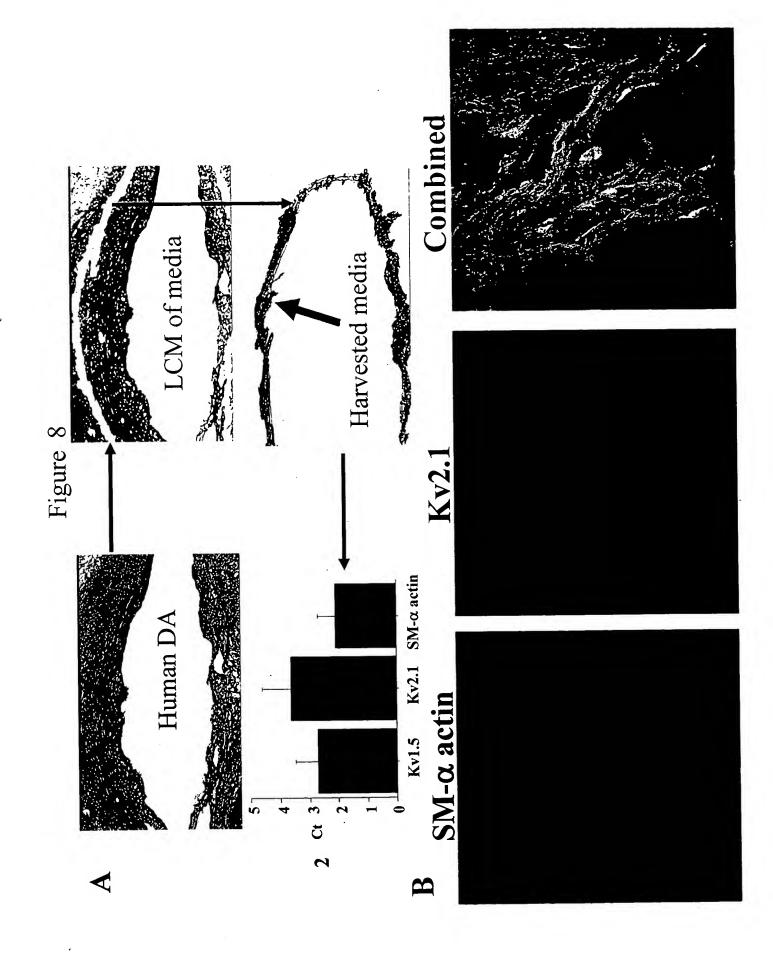
(MWV) V (mV) 70 V (mV) \* - 93 . 96. 30 30 I (pA/pF)2 I (pA/pF)CH-S 2 300-200-400 100-300-200-907 | |-|--50 -7 P — 4-AP(5mM) → HYPOXIA Control \*\*p < 0.01(n = 10)V (mV)  $\overrightarrow{\tau}_0$  V (mV) 92 . 23 2 30 8 I(pA/pF)9 I (pA/pF) S-Z -001 400-300-200-400 300 200-100 P = <del>|</del> = 9 -30 . 50 -50 5

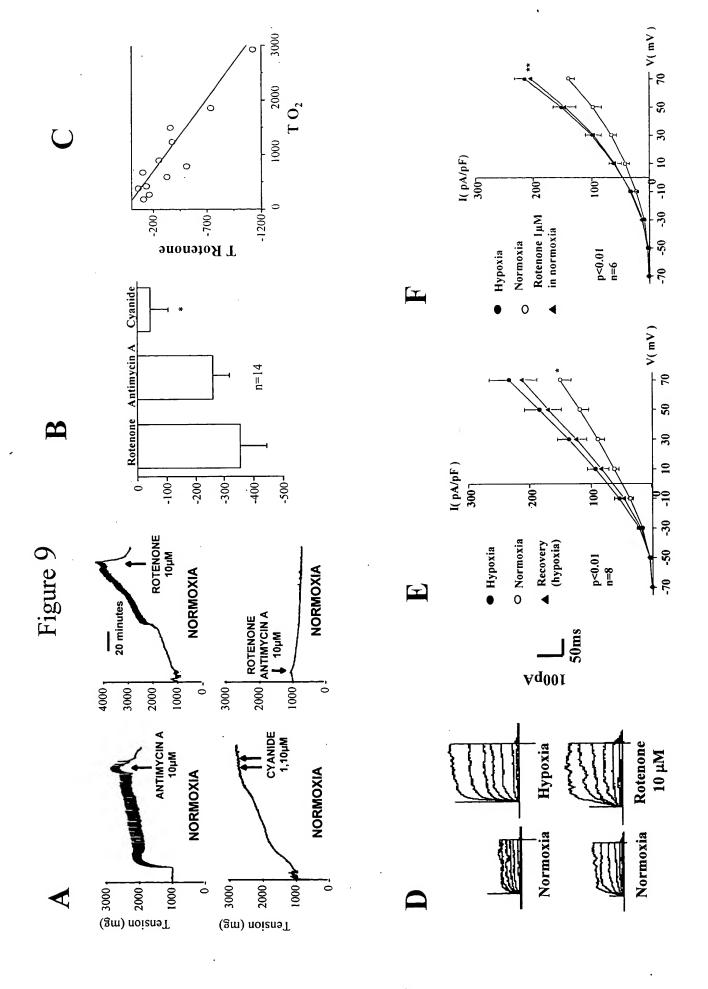
Figure 6

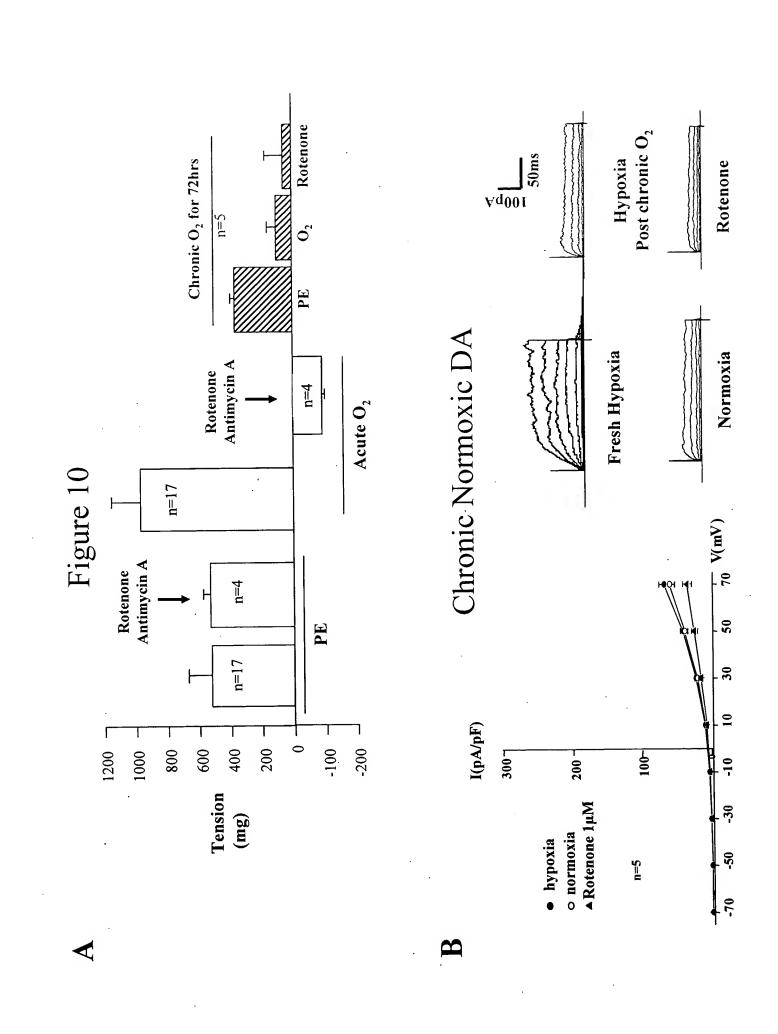
CH-Ad5-Kv1.5

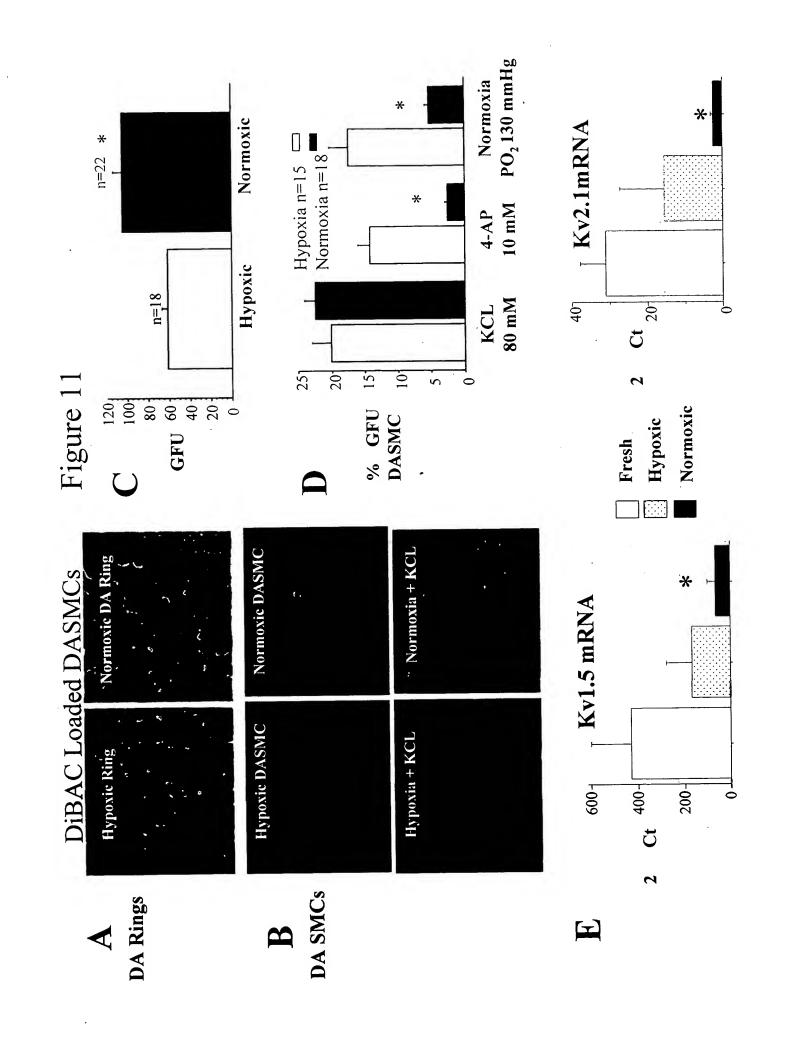
CH-Ad5-GFP











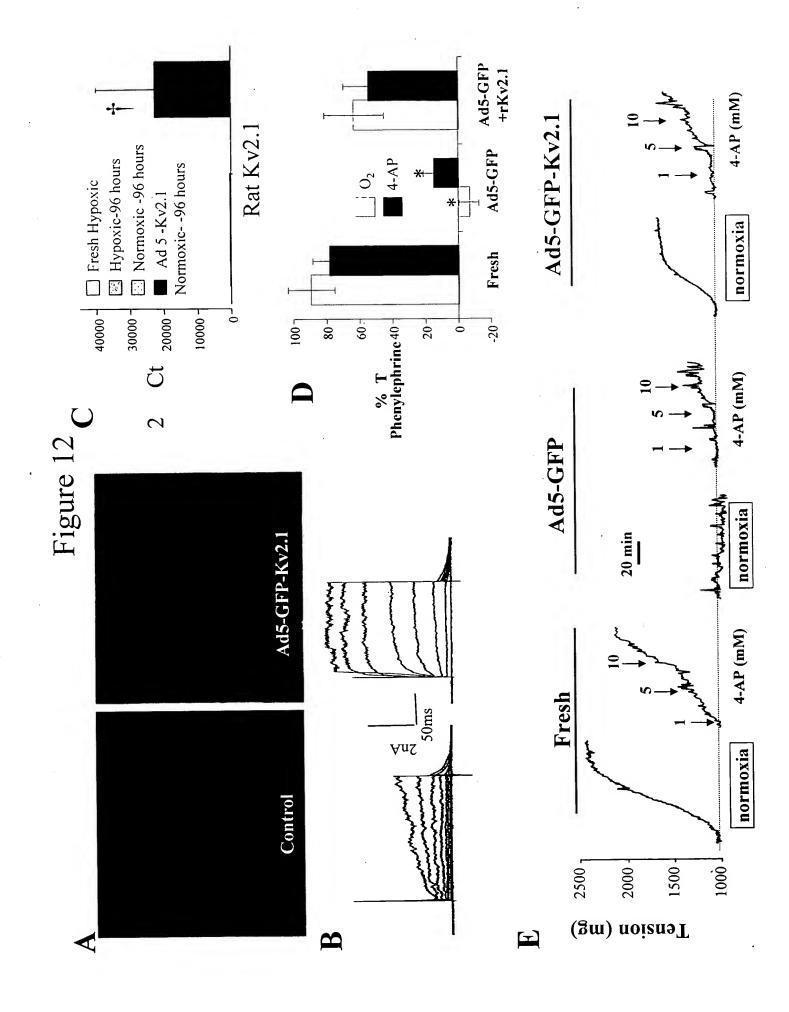
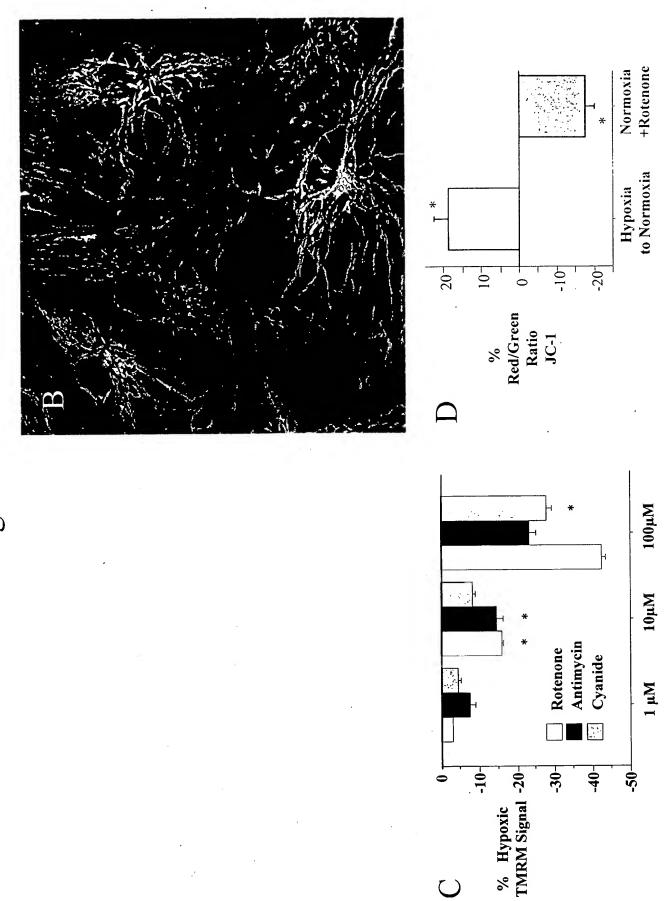
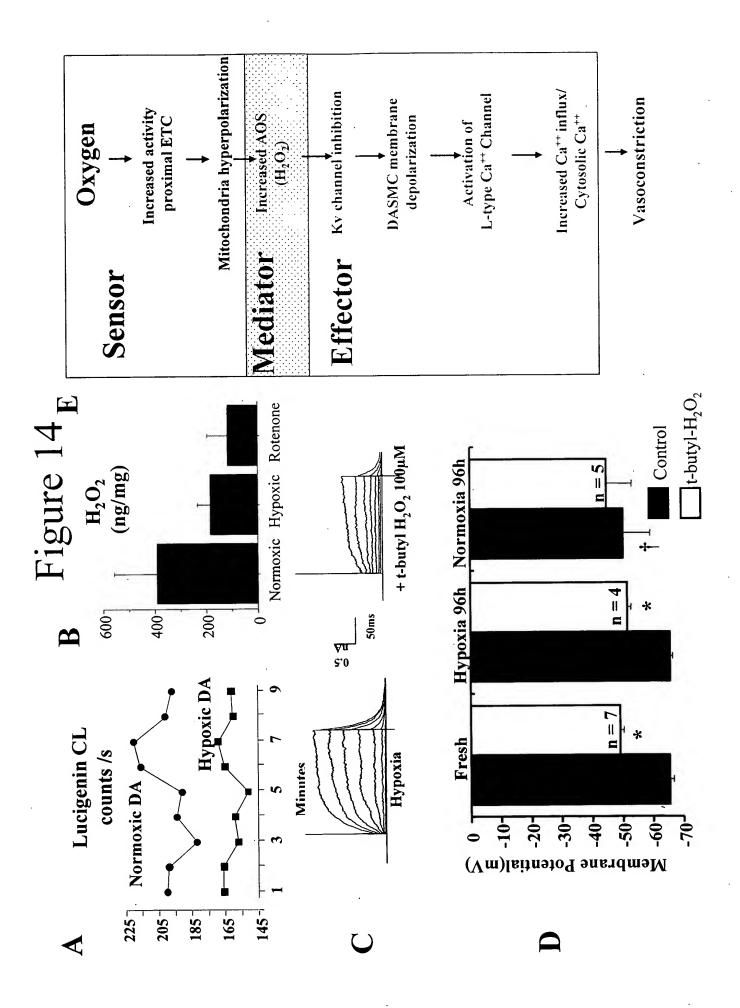
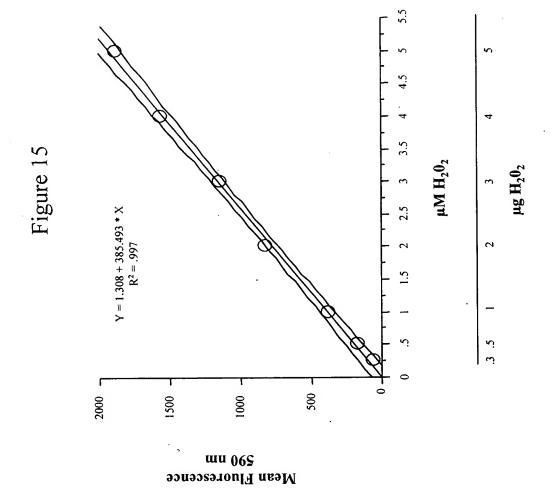
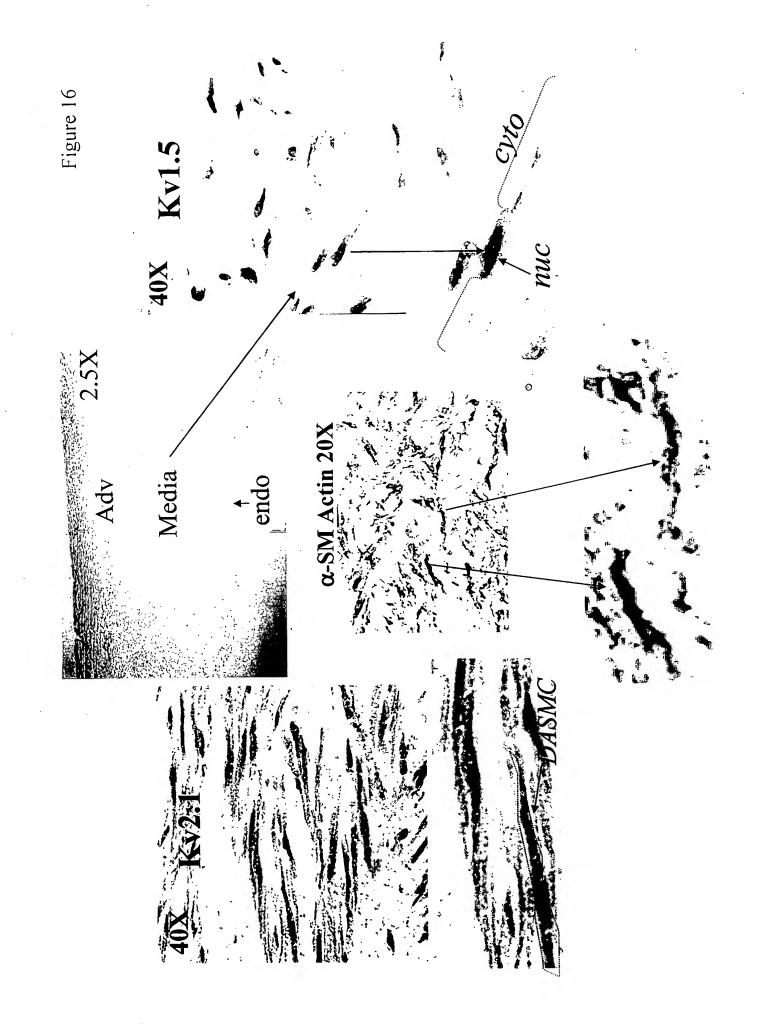


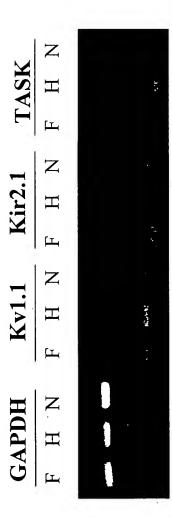
Figure 13



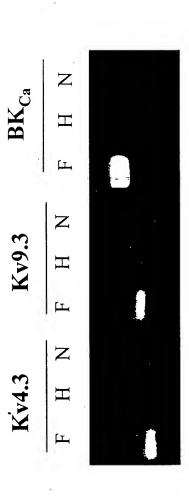






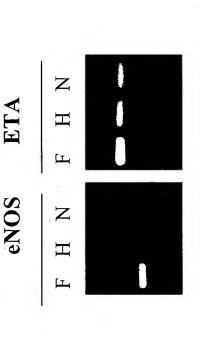


Channels Unchanged/Increased



Channels Decreased

Other



ETC Complex

		II	III	IV
Subunit	NADH-ubiquinol oxidoreductase	Succinate-ubiquinol oxidoreductase	Ubiquinol cyt-c oxidoreductase	Cytochrome c Oxidase (subunit 1)
Culture	Hyp $O_2$	Hyp $O_2$	Hyp O <sub>2</sub>	Hyp $O_2$
66kDa — <b>▼</b>				· ·
40kDa —	# 60 mm			a transca.

